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## CLAIMS

1. A substrate machining method for machining a substrate, comprising the step of

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cutting the substrate from its one surface as a disk-like blade is rotated; and

irradiating with laser light the edge of a cut surface, of the substrate, that is located in the vicinity of the other surface.

- 2. A substrate machining method according to claim 1, wherein the entirety of the cut surface of the substrate is irradiated with the laser light.
- 3. A substrate machining method according to claim 1 or 2, wherein the laser is a YAG laser or a CO<sub>2</sub> laser.
- 4. A substrate machining method according to claim 1, wherein a dicing tape is adhered to the other surface of the substrate; and the laser light is irradiated after cutting only the substrate and expanding the dicing tape.
- 5. A substrate machining method according to claim 1, wherein the laser light is irradiated onto a street that has been already formed and is different from a street being formed by cutting the substrate by the disk-like blade.
- 6. A substrate machining method according to claim 1, wherein the laser light is irradiated onto a street, that is being formed by cutting the substrate by the disk-like blade, while following the movement of the disk-like blade.
- 7. A substrate machining apparatus for machining a substrate, comprising
- a disk-like blade that is rotated to cut the substrate from its one surface; and
  - a laser light irradiating portion for irradiating a laser light to the portion, of a cut surface of the substrate, that is located in the vicinity of the other surface of the substrate.
  - 8. A substrate machining apparatus according to claim 7, wherein the laser light irradiating portion can

irradiate the laser light onto the entirety of the cut surface of the substrate.

9. A substrate machining apparatus according to claim 7 or 8, wherein the laser light irradiating portion is a YAG laser light irradiating portion or a  $CO_2$  laser light irradiating portion.

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